

TRAC ELECTRONICS, INC.

The TRAC DELUXE MESSAGE MEMORY KEYSER, MODEL TE-284, is designed for quick and easy use, either in the shack or portable.

Features of the Keyer include both Dot and Dash Memory, Sidetone with Speaker, Volume and Speed Controls, Fine Tuning of Speed and Tone, Weight Control, Tune Function, Keying for Grid Block and Solid State Rigs, Deluxe 3 Conductor 1/4" Key Jack and 1/4" Jack for Output.

Features of the DELUXE MESSAGE MEMORY KEYSER include a choice of two full 50 character message memories, four 25 character memories or a 50 character memory and two 25 character memories, Store and Play Functions, Reset Function & Memory Operation LED.

ADJUSTMENTS:

1. Upon receipt remove cover for shipping damage -- report any damage to us promptly.
2. Switch toggle on front panel to Store function.
3. Check that tune switch on rear panel is in OFF position.
4. Place battery in holder - we recommend a long life type battery.
5. Connect 3 conductor shielded cable to a 1/4" phone plug and insert in Key Jack. The Common connection to the key jack is to the TIP of the phone plug. The other two are for Dot and Dash.
6. Turn volume knob completely clockwise and operate your key to test sidetone function.
7. The sidetone pitch can be adjusted to your preference by turning with a small screwdriver the small trimmer potentiometer on the left forward of the circuit board. Once a pitch pleasant to your ear is reached, no further adjustment of this trimmer is necessary.
8. The trimmer on the right forward portion of the board is for fine adjustment of the speed. The speed has been factory adjusted but you can further fine tune it with the trimmer.
9. The keyer portion of the DELUXE MESSAGE MEMORY KEYSER is now properly in operating function. Connect a two conductor open circuit phone plug into the OUTPUT Jack, making sure the POS or NEG Switch for grid block (NEG) or solid state (POS) rigs is in its proper position on the rear panel, and connect the other end to the transmitter or transceiver. Keep in mind that the tip and sleeve conductors must be the same for the Keyer output jack as for the rig. Use shielded cable. The output transistor for Grid block keying is a MPSA92 rated at -300 volts, 500 MA and the output transistor for solid state rigs is a MPSA42 rated at +300 volts 500 MA. Examination of the transmitter manual is advised. These specifications should be sufficient to handle most all transmitters.
10. The trimmer potentiometer on the left rear is Weight adjustment.
11. The Volume control knob is used to switch off the battery power when keyer is not in use. In special situations where you wish to retain the entered message, the control may be turned down without switching off the power. This will substantially reduce battery life. When switched on the unit will be instantly ready to be programmed.
12. The entire keyer and message functions use CMOS integrated circuitry which allows battery operation. Under normal operation conditions a good battery should last approximately one year.

DELUXE MESSAGE MEMORY KEYSER FUNCTION

The DELUXE MESSAGE MEMORY KEYSER contains a CMOS 1024 x 1 Bit Random Access memory chip. The unit provides three choices of Message Memory functions.

1. When the Memory Select switch is in the 50/50 position, two messages 50 characters each (approx.) can be programmed by storing one in MSG-A and one in MSG-B.
2. When the Memory Select switch is in the 4/25 position, four messages 25 characters each (approx.) can be programmed by coordinating the Message Select switch with the MSG toggle switch. Example: Memory Select in 4/25, Message Select in up position, MSG toggle in A position. A message can now be stored in . By simply flipping MSG toggle to B, a message can be stored in 2B. The same sequence follows after moving Message Select switch to lower position for Messages and 4B. Messages do not have to be recorded in numerical sequence.

3. By use of the front panel switches as described in 1 and 2 above, message can be recorded on one 50 character part and two 25 character messages recorded separately. However, note that a 50 character position [i.e. 50/50 + MSG-A] contains the two odd 25 character message [1A and 3A] and the other contains the even [2B and 4B].

Messages may be entered into memory at any desired speed and played out at any other or same speed. The speed control fully controls message speed.

TO ENTER MESSAGE

1. Switch STORE toggle to STORE
2. Switch Memory Select to Choice
3. Switch Message Select to Choice if Memory Select is in 4/25 position
4. Switch MSG toggle to either A or B
5. Turn up Volume
6. Press START
7. Commence sending message
8. When LED goes out, memory function is over
9. Switch toggle to PLAY
10. Press START - Message plays out

NOTE: When battery is first installed, put toggle in STORE and START - Run through MSG A and MSG B to clear memory. This need be done first time battery is installed.

RESET BUTTON - The Reset Button also acts as a stop function. Should you wish to stop a message while it is playing, press Reset and it will stop and reset itself. Messages are automatically reset after each complete play.

NOTE: A message can be stored with gaps in it. While the message plays, the keyer can be operated to fill in those gaps. Example: QSL 579 579 _____ NY NY while the message is playing the gap after 579 can be used to send a log number, i.e. 0150.

ELECTRONIC KEYS HINTS

In operating a keyer it is best to practice off the air until you feel comfortable at a desired speed. Start as slow as possible and increase speed as practice increases ability.

The DELUXE MESSAGE MEMORY KEYS permits iambic operation with the use of dual paddle squeeze key.

The DELUXE MESSAGE MEMORY KEYS will bring many enjoyable hours of code sending, with its built-in extra features not found in other keyers of comparable prices.

Please drop us a QSL to let us know how you are enjoying the DELUXE MESSAGE MEMORY KEYS and any suggestions you might have would be appreciated.

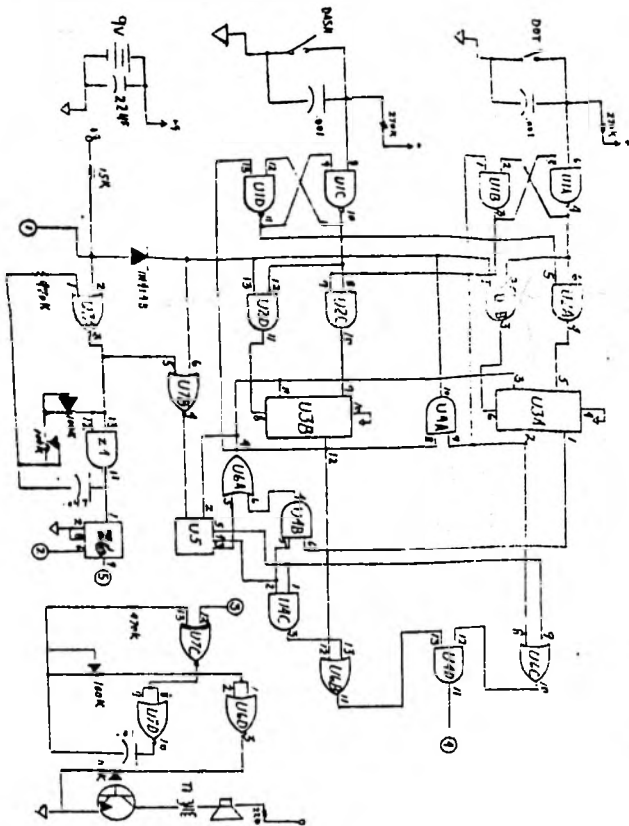
This product has been thoroughly tested, however, occasionally a chip may turn defective causing problems in operation. This we cannot foresee or prevent. This would most likely occur within the first four hours of use - within the guarantee period. In such an event, promptly return to TRAC via UPS and we will repair on a 24 hour turnaround basis to put you back on the air.

GUARANTEE

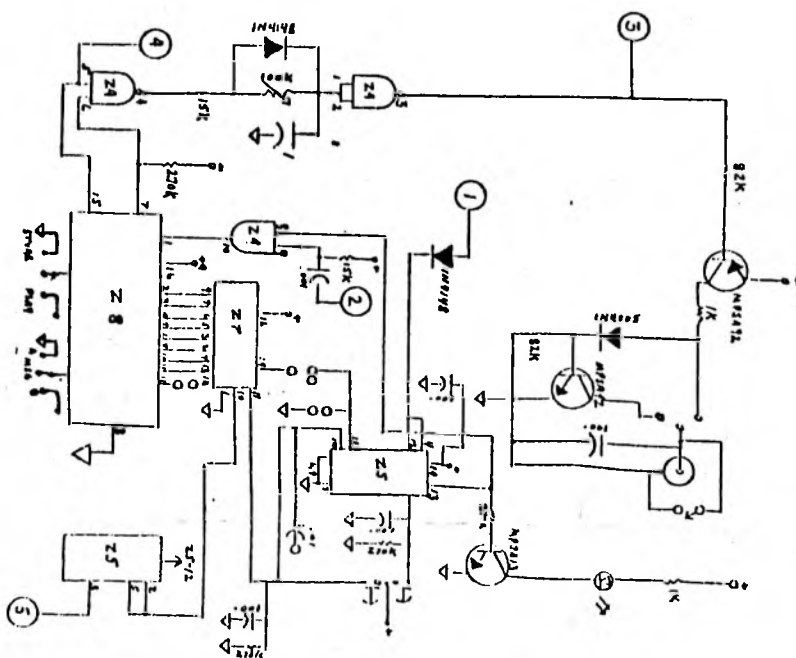
The DELUXE MESSAGE MEMORY KEYS is fully guaranteed to the original purchaser against defects in all parts and workmanship for 90 days from date of purchase. TRAC ELECTRONICS, INC. shall have the option to repair, replace, or refund the purchase price in full, concerning all claims made under this guarantee. Proof of purchase must accompany all claims made by reason of this guarantee.

Best of 73's

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- U1 4011
- U2 4081
- U3 4013
- U4 4081
- U5 4024
- U6 4071
- U7 4001
- Z4 4011
- Z5 4013
- Z6 4024
- Z7 4040
- Z8 1M6508